

METHOD AND SYSTEM FOR MANAGING DYNAMIC TABLES

Abstract of the Invention

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A method and system for modifying a dynamic table within an array includes inserting or deleting one or more records from the table while maintaining the integrity of subsequent tables within the array. The method first determines which subsequent tables at least partially overlap the boundary of the modified table, wherein the overlapping portions are shifted by the changes to the modified table. Next, the invention shifts the non-overlapping (unaltered) portions of the subsequent tables so that the two separate portions of the subsequent table are properly aligned and the integrity of the data within the subsequent table is maintained. In the case where data records are deleted from the modified table, the method first determines if a shift of the non-overlapping portions of the subsequent data would compromise any existing cell data within the array and then adjusts both the overlapping and the non-overlapping portions in order to reintegrate the entire subsequent table.

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